

94160 Indigotin Blue

C.I. 73015, Acid Blue 74

Indigo is an artificial organic colorant. Indigotin is a dark blue powder with a copper mica, and contrary to indigo is soluble in water. Approx. 10 g indigocarmin are soluble in 1 l water (25°C). This powder is also soluble in ethanol.

Chemical name: Acid Blue 74; Food Blue 1
 Chemical formula: $C_{16}H_8N_2NaO_8S_2$
 CAS No.: 860-22-0
 EINECS: 212-728-8
 Color Index Number: 73015
 Molecular weight: 466.36

Appearance: Dark blue powder
 Appearance 1 % solution: blue-limpid

Product Specification

| Property | Specification / Method |
|--|------------------------|
| Pure dye content | 85 – 90 % (CQ/SP) |
| Loss on drying (135°C) | ≤ 15 % (CQ/UM) |
| Chlorids | ≤ 15 % (CQ/CL) |
| Sulphates | ≤ 15 % (CQ/SF) |
| Subsidiary coloring matters | ≤ 1.0 % (CQ/CA) |
| Organic compounds other than coloring matter | ≤ 0.5 % (CQ/PI) |
| Water insoluble matter | ≤ 0.2 % (CQ/IN) |
| Un sulfonated primary aromatic amines (calc. as aniline) | ≤ 0.01 % (CQ/AA) |
| Ether-extractable matter | ≤ 0.2 % (CQ/EE) |
| Arsenic | ≤ 3 mg/kg (CQ/AS) |
| Lead | ≤ 2 mg/kg (CQ/PB) |
| Mercury | ≤ 1 mg/kg (CQ/HG) |
| Cadmium | ≤ 1 mg/kg (CQ/CD) |

The product complies to the specific purity criteria stated on Directive 231/2021/EC (128/2008/EC)

Shelf-life: 60 months
 Storage: Keep in sealed original container in dry and cool place.